

Converting Colors

XYZ(41.5102, 35.8444, 67.9155)

Have a look what the booklet for
XYZ(41.5102, 35.8444, 67.9155)
contains.

XYZ(41.5801, 36.0023, 67.7084)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(41.5801, 36.0023,
67.7084)**

Conversions

Conversions Part 1

Format	Color
Hex	B495D5
RGB	180, 149, 213
RGB Percent	71%, 58%, 84%
CMY	0.2941, 0.4157, 0.1647
CMYK	0.15, 0.30, 0.00, 0.16
HSL	269°, 43%, 71%
HSV	269°, 30%, 84%
XYZ	41.5801, 36.0023, 67.7084
YIQ	165.5650, -2.0680, 26.4760

Conversions

Conversions Part 2

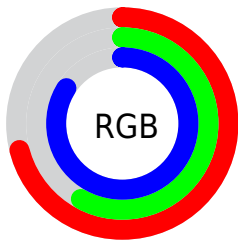
Format	Color
RYB	180, 149, 213
Decimal	11834837
CIELab	66.52, 23.87, -28.43
CIELCh	67, 37.121, 310.014
Yxy	36.0023, 0.2862, 0.2478
Android (android.graphics.Color)	4290024917 (0xFFB495D5)
YUV	165.5650, 23.3855, 12.6595
Hunter-Lab	60.0019, 18.6935, -24.9037

Details

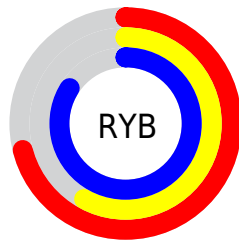
The XYZ color **41.5801, 36.0023, 67.7084** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **48.5116, 59.7044, 37.4026**, and the grayscale version is **35.9284, 37.7994, 41.1636**.

A 20% lighter version of the original color is **73.9980, 67.7647, 103.7875**, and **19.1434, 15.6396, 34.3575** is the 20% darker color. If you saturate the color by 10%, you get **36.0572, 28.6024, 66.5717**, and if you desaturate by 10%, it is **47.9242, 44.7421, 69.0616**.

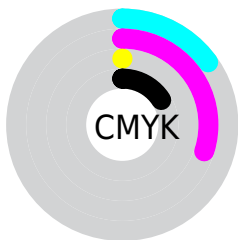
Distribution



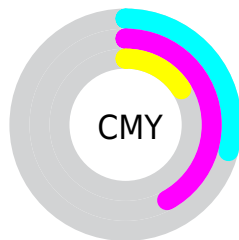
- Red (71%)
- Green (58%)
- Blue (84%)



- Red (71%)
- Yellow (58%)
- Blue (84%)



- Cyan (15%)
- Magenta (30%)
- Yellow (0%)
- Black (16%)



- Cyan (29%)
- Magenta (42%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.5801, 36.0023, 67.7084 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 41.5801, 36.0023, 67.7084 by changing the saturation by 10% instead.

■ 41.5801, 36.0023,
67.7084

■ 41.5801, 36.0023,
67.7084

343.7606,
328.9706, 471.0321

■ 28.9623, 24.4360,
49.1953

■ 76.8329, 69.0356,
117.5852

■ 19.1965, 15.6573,
34.4078

■ 100.1986, 91.2714,
149.7859

■ 11.9172, 9.2820,
22.9271

127.8777,
117.8324, 187.3864

■ 6.7591, 4.9256,
14.3349

160.2354,
149.1032, 230.8050

■ 3.3569, 2.2037,
8.2126

197.6372,
185.4679, 280.4603

■ 1.3452, 0.7220,
4.1415

240.4485,

■ 0.2167, 0.0000,

227.3112, 336.7709

1.7033

289.0345,
275.0173, 400.1554

■ 0.0000, 0.0000,
0.3630

■ 0.0000, 0.0000,
0.0000

■ 41.5801, 36.0023,
67.7084

■ 41.5801, 36.0023,
67.7084

■ 36.0572, 28.6024,
66.5717

■ 47.9242, 44.7421,
69.0616

■ 31.3138, 22.4684,
65.6378

■ 55.1216, 54.8818,
70.6394

■ 27.3092, 17.5254,
64.8947

■ 63.2068, 66.4832,
72.4525

■ 23.9975, 13.6889,
64.3288

■ 72.2113, 79.6028,
74.5103

■ 21.3265, 10.8626,
63.9240

■ 82.0038, 93.9721,
76.7677

■ 19.2353, 8.9324,
63.6617

■ 85.7412, 95.8988,
76.9426

■ 17.6236, 7.6979,
63.5083

■ 89.0103, 97.5841,
77.0956

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.1160, 36.0023, 77.8435



41.5801, 36.0023, 67.7084



45.3071, 36.0023, 50.6506

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



41.5801, 36.0023, 67.7084



38.0131, 36.0023, 16.8579



24.7160, 36.0023, 44.7813

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



41.5801, 36.0023, 67.7084



48.5116, 59.7044, 37.4026

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



25.1060, 36.0023, 29.6206



41.5801, 36.0023, 67.7084



32.3898, 36.0023, 16.0835

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



41.5801, 36.0023, 67.7084



43.0978, 36.0023, 22.5968



27.7826, 36.0023, 20.0839



26.6521, 36.0023, 62.4228

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.5801, 36.0023, 67.7084



46.0895, 36.0023, 39.1931



27.7826, 36.0023, 20.0839



24.5848, 36.0023, 39.2077

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



41.5813, 36.0038, 67.7092



83.9403, 84.0457, 106.4061



41.1475, 44.6782, 69.4064



17.6047, 17.4742, 22.6949



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.5813, 36.0038, 67.7092



57.1012, 46.8469, 100.6405



49.8908, 40.2875, 68.0981



12.3094, 12.3009, 15.6631



10.8821, 4.7624, 38.7988



0.7517, 0.3364, 2.3446

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



46.6326, 39.0199, 49.3311



66.0723, 52.2053, 67.9168



41.8102, 56.2497, 37.0890



12.6879, 12.5267, 14.2968



18.5273, 9.3472, 10.0809



1.1592, 0.5805, 0.8279

Previews

White Background



This preview shows how the XYZ color 41.5801, 36.0023, 67.7084 looks on a white background.

Color Contrast Check

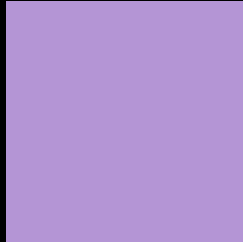
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 41.5801, 36.0023, 67.7084 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.5801, 36.0023, 67.7084

Background



This preview shows how black text looks on a background with the XYZ color 41.5801, 36.0023, 67.7084.



This preview shows how white text looks on a background with the XYZ color 41.5801, 36.0023,

67.7084.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

41.5801, 36.0023, 67.7084

Protanopia

37.1236, 36.2914, 73.4549

Deuteranopia

36.9185, 36.0787, 66.6461



Tritanopia

36.5463, 35.9005, 43.0335

Trichromacy



Original Color

41.5801, 36.0023, 67.7084

Protanomaly

38.4480, 36.0070, 71.2533

Deuteranomaly

38.5053, 35.8775, 67.1830

Tritanomaly

38.3230, 35.8865, 51.3613

Monochromacy



Original Color

41.5801, 36.0023, 67.7084

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

37.9126, 37.2184, 49.9854

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5801, 36.0023, 67.7084 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(180, 149, 213)` looks like.

```
.text, #text, p{  
    color:rgb(180, 149, 213)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(180, 149, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 149, 213) }
```

Border

The CSS property to change the border of an element to XYZ 41.5801, 36.0023, 67.7084 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(180, 149, 213) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(180, 149, 213) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(180, 149, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 149, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 149, 213);  
box-shadow:4px 4px 4px 4px rgb(180, 149,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 41.5801, 36.0023, 67.7084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 149, 213) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(180,  
149, 213) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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